

CONSTRUCTION AND ENVIRONMENTAL MANAGEMENT PLAN (CEMP)

Introduction

Description of the Works

Start on Site Date	March 2021
Completion Date	July 2022
Project Duration	70 weeks
Site Address	Land to the rear of Baird's Farm Shop & Maidenhead Aquatics Crookthorn Lane Climping West Sussex BN17 5SN
Employer	Brackley Investments Limited 6 Lower Farm Barns Bainton Road Bucknell Bicester Oxfordshire OX27 7LT
Contractor	TBC
Working Hours	7.30am – 6pm Monday to Friday, 7.30am – 1pm Saturday.
Delivery Hours	7.30am – 5pm Monday to Friday, 7.30am – 12pm Saturday.
Description of the Works	The design and construction of a 64 bed Care Home including all associated external works, drainage and services.

A. Construction programme.

It is anticipated that site activities will commence on site during March 2021 and run for a period of 65 to 75 weeks. A draft Construction Programme for the purposes of this CEMP is included within Appendix A.

B. The anticipated number, frequency and types of vehicles used during construction.

1nr Piling Rig – expected use on site mid-March 2021 to mid-May 2021;
 1nr 360 Excavator – expected use on site from early March 2021 to end of May 2021;
 1nr Dumper Truck – expected use on site from early March 2021 to end of May 2021;
 1nr Roller – expected use on site from start of December 2021 to end of March 2022;
 1nr Telehandler – expected use on site from start of June 2021 to end of March 2022;
 1nr Mobile Crane – expected use on site 2 visits – September 2021 and November 2021.

C. The method of access and routing of vehicles during construction.

All parties to the Contract acknowledge the importance of minimising disruption to the local area throughout the works period. Establishing strict access and delivery routes which avoid residential areas is a key part of this.

Site specific measures due to be adopted for the works is as follows: -

- Access to the site and egress from the site is to be via the A259
- Access / egress routes can be seen on the attached Access Routes Plan included within Appendix B;
- A wheel cleaning facility will be provided at all access points to ensure mud and debris is not deposited on the public highway, footpaths etc;
- A register of complaints will be kept on file within the site office, any complaints received will be investigated and dealt with immediately with all actions recorded.

D. The parking of vehicles by site operatives and visitors.

Contractor's vehicles are not permitted to park in the care park of 'Maidenhead Aquatics'. Parking will be available within the Contractor's site compound; this is to be authorised by the Contractor's Site Manager. Should the need arise for additional off-road parking in the short term this will be arranged through negotiation with the adjoining land owner.

E. The loading and unloading of plant, materials and waste, including permitted times for deliveries.

Underloading of Plant materials will be controlled, and plant / deliveries notice will be scheduled in advance to avoid the backing up of delivery vehicles causing disruption. Deliveries will be met at the entrance and moved swiftly to the site compound as not to cause disruption to the main road and access to the neighbouring retail business.

F. The storage of plant and materials used in construction of the development.

This will only take place in the work area within the site boundary. Please refer to Appendix C for a copy of the Red Line Boundary showing the boundaries of the site and Appendix D for a copy of the schemes proposed Site Management Plan.

G. The erection and maintenance of security hoarding etc.

The site is to be completely closed to the public by timber hoarding / heras fencing. Gated access will be controlled at all times and no uncontrolled movement of people or plant will be allowed.

H. Wheel washing and other measures to mitigate the impact of construction upon the public highway.

Provisions will be taken to ensure any residual wheel and road contamination is appropriately addressed with the use of a vehicle wheel wash. Wheel washing will take place inside the site compound before the vehicles access the public highway. There will also be a road sweeper available during any part of the works that may transmit dirt onto the public highway.

I. Control of noise and vibration.

Site operation, noise and vibration control and monitoring procedures will be designed to minimise noise and vibration at the site boundary to ensure that operations within the site will not constitute a nuisance to residential or susceptible habitats within the vicinity of the site.

Several best practice noise and vibration management planning actions will be implemented throughout the course of the project, these will include the following: -

- Initial noise and vibration levels will be established prior to commencement in order to set a benchmark for action levels at the boundary to minimise the effects of noise / vibration from the site to local residents and susceptible habitats;
- All machinery, vehicles and mechanical plant used for the works will be fitted with effective exhaust silencers and will be maintain in good and efficient working order;
- All pneumatic percussive tools will be fitted with mufflers or silencers of the type recommended by the manufacturers of the tool;
- Where areas of hand standing need to be broken out all operatives of such tools will be required to wear the correct ear protection. Machines used intermittently will be shut down in the intervening periods between operations or throttled down to a minimum;
- All noise will be monitored at the site boundary using monitoring equipment that will be in a place throughout the duration of the construction programme (the location of this equipment will be confirmed during site establishment);
- If any action levels are reached and / or exceeded, associated works will cease immediately and will not recommence until an alternative solution / method is found;
- The vibration monitoring will be in operation throughout the duration of the earthwork phase and any subsequent ground improvement operations on site;
- Whilst we do not anticipate any effect on surrounding structures we will, during our works, maintain monitoring of the vibration at the site boundary and will consult with specialists in the field to determine action levels for imparted vibration. Construction processes will be developed with consideration to vibration;
- The vibration monitoring equipment will be set to trigger an alarm if activities on site breach an agreed trigger level (as yet to be determined). If this level is reached, then construction activity will immediately cease, and the local Environmental Health Office contacted to assist in the review process to determine an alternative course of action;
- Activities not related to vibro-piling will produce negligible vibration of the ground with the greater effect being the risk of Hand-Arm Vibration (HAVS) and full-body vibration. Both will be mitigated with the use of low-vibration tools and plant and limited exposure in accordance with The Control of Vibration at Works Regulations 2005.

In the event of an external complaint being received regarding nuisance noise or vibration in the event of a boundary monitoring device recording a value at or above pre-determined levels, details of the complaints or its occurrence will be logged and potential sources or occurrences on site will be investigated. Records of all complaints received, and remedial actions will be held on site within a dedicated site log book.

J. Control of dust and dirt.

No dusty materials are stocked or planned to be used on site. Transport vehicles are off loaded in the offload area of site to avoid any wheel contamination. All work causing dust is to be dampened down by water spray as necessary to avoid nuisance being caused to the occupants of the adjoining properties or the general public. Details of general dust controls are as follows: -

- Water suppression equipment will always be maintained on site to suppress dust during periods of dry and / or windy weather;
- Wind speed and direction will be considered when organising operations; and
- All site staff will receive appropriate training in order to ensure that employees

Specific control measures for all plant and machinery, external storages areas and vehicle movement routes are listed below: -

- All site plant will have upward facing exhausts and radiator cowls to reduce the generation of dust; and
- Process plant will be operated, and screened material will be stockpiled, in accordance with Process Guidance Note PG3/8(04) Secretary of State's Guidance for Quarry Processes;
- Drop heights into and out of vehicles will be minimised;
- The water suppression equipment will be used, as and when necessary, to control dust arising from stockpiles;
- Soil storage areas, top soiled bunds and restored areas will be seeded with grass as soon as possible to prevent wind erosion of soils;
- The loading area will be maintained in a damp condition during dry and windy weather by using a water bowser;
- The unprocessed storage piles or other long-term stocks will be treated with additives in order to seal the surfaces to control dust if required to control dust emissions;
- The site access road between the site compound and the local road will be suitably surfaced;
- The access road and other hard surfaced areas and roads will be kept clean at all times and watered by motorised spray units during dry conditions;
- Haul roads will be graded regularly to remove loose material from the surface; and
- A speed limit of 10pmh will be enforced to minimise disturbance on internal haul roads.

In terms of control and management of the above measures the Project / Site Manager will: -

1. Assume responsibility for the management of the site;

2. Ensure personnel and operatives are advised of their roles to minimise the generation of dust;
3. Ensure that all associated dust monitoring records are maintained;
4. Ensure that all associated dust monitoring equipment is maintained and serviced at regular intervals; and
5. Deploy suitable measures on visual observations and weather conditions.

If an activity on site results in unacceptable levels of dust being generated, then that activity shall cease until sufficient measures have been adopted which prevent or minimise the dust emission. The implementation of these measures will be the responsibility of the Project / Site Manager.

In the event of an external complaint being received regarding nuisance dust, details of the complains will be logged and potential sources or occurrences on site will be investigated. Records of all complaints received and remedial actions taken will be held on site within a dedicated 'Dust Site Log Book',

K. Public Engagement.

The Site Management team are to introduce themselves to neighbours prior to the commencement of works. A monthly report/newsletter will be distributed to neighbours providing them with any key dates or when noisy works will be happening.

In addition, the Contractor will be required to participate in the Considerate Constructors Scheme during the construction of the development. The Contractor must register the project and comply with the requirements of the Scheme's current Code of Practice. The Contractor will be required to provide all attendances and must comply with requests arising from participation in the scheme.

The Code of Considerate Practice will commit the site, the Contractor and its supply chain, to care about the appearance of the site, respect the community, protect the environment, secure everyone's safety and value their workforce.

L. Temporary floodlight, light sources etc.

Adequate lighting will be provided on site. Should unauthorised access be gained at any point, this will enable the relevant authority or security to locate and remove trespassers swiftly and safely. Any floodlighting on site will be directed away from neighbouring properties and the public highway, as well as any tree lines for any ecological risk.

M. Recycling and disposal of waste.

Removal of materials includes ground and waste disposal. No stockpiling of waste is allowed on-site; waste to be stored in skips, which will be placed in designated areas on site. Only approved waste management contractors may be used for removal, after providing proof of registration with the environmental agency. Soil testing and classification will be undertaken prior to removing it off site.



Appendix A – Proposed Construction Programme

Appendix B – Proposed Site Access Routes

Appendix C – Site Plan

Appendix D – Site Management Plan